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- JAPIO - Patent Abstracts of Japan (File 347)
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- U.S. Patents Fulltext (1971-1975) (File 652)
- U.S. Patents Fulltext (1976-present) (File 654)
- WIPO/PCT Patents Fulltext (File 349)
- TRADEMARKSCAN - U.S. Federal (File 226)

#### DialogLink 5 Release Notes

New features available in the latest release of DialogLink 5 (August 2006)

- Ability to resize images for easier incorporation into DialogLink Reports
- New settings allow users to be prompted to save Dialog search sessions in the format of their choice (Microsoft Word, RTF, PDF, HTML, or TEXT)
- Ability to set up Dialog Alerts by Chemical Structures and the addition of Index Chemicus as a structure searchable database
- Support for connections to STN Germany and STN Japan services

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\*\*\* ANNOUNCEMENTS \*\*\*

\*\*\*

\*\*\* FREE FILE OF THE MONTH: World News Connection (WNC),  
FILE #985

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#### NEW FILE

\*\*\*File 651, TRADEMARKSCAN(R) - China. See HELP NEWS 651 for details.

#### RESUMED UPDATING

\*\*\*File 523, D&B European Financial Records  
\*\*\*

#### RELOADS COMPLETED

\*\*\*File 227, TRADEMARKSCAN(R) - Community Trademarks  
\*\*\*

#### FILES RENAMED

\*\*\*File 321, PLASPEC now known as Plastic Properties Database  
\*\*\*

#### FILES REMOVED

\*\*\*File 601, Early Edition Canada  
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? b

9,15,16,20,47,75,80,88,98,112,141,148,160,275,264,331,  
340, 350, 351,

352,369,370,484,553,570,608,620,613,621,623,624,634,635,636,647,696,674,324,344,348,349,371,810,813,587

>>>W: 352 is unauthorized

1 of the specified files is not available

[File 9] Business & Industry(R) Jul/1994-2009/Jan 04

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[File 15] ABI/Inform(R) 1971-2009/Jan 03

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[File 16] Gale Group PROMT(R) 1990-2009/Dec 18

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*\*File 16: Because of updating irregularities, the banner and the update (UD=) may vary.*

[File 20] Dialog Global Reporter 1997-2009/Jan 06

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[File 47] Gale Group Magazine DB(TM) 1959-2009/Dec 30

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*\*File 47: UD names have been adjusted to reflect process dates All data is present*

[File 75] TGG Management Contents(R) 86-2009/Dec W1

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[File 80] TGG Aerospace/Def.Mkts(R) 1982-2009/Dec 15

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[File 98] General Sci Abs 1984-2008/Nov

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[File 112] UBM Industry News 1998-2004/Jan 27

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[File 141] Readers Guide 1983-2008/Oct

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[File 148] Gale Group Trade & Industry DB 1976-2008/Dec 22

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[File 160] Gale Group PROMT(R) 1972-1989

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[File 275] Gale Group Computer DB(TM) 1983-2009/Dec 15

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[File 264] DIALOG Defense Newsletters 1989-2009/Jan 02

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[File 331] Derwent WPI First View/UD=200879  
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[File 340] CLAIMS(R)/US Patent 1950-08/Dec 30  
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[File 350] Derwent WPIX 1963-2008/UD=200901  
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[File 608] MCT Information Svc. 1992-2009/Jan 06  
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[File 620] EIU: Viewswire 2008/Dec 31  
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[File 613] PR Newswire 1999-2009/Jan 06  
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*\*File 613: File 613 now contains data from 5/99 forward. Archive data (1987-4/99) is available in File 813.*

[File 621] Gale Group New Prod.Annou.(R) 1985-2009/Dec 03  
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[File 623] Business Week 1985-2009/Jan 06  
(c) 2009 The McGraw-Hill Companies Inc. All rights reserved.

[File 624] McGraw-Hill Publications 1985-2009/Jan 06  
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[File 634] San Jose Mercury Jun 1985-2009/Jan 03  
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[File 635] Business Dateline(R) 1985-2009/Jan 03  
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[File 636] Gale Group Newsletter DB(TM) 1987-2009/Dec 18  
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[File 647] UBM Computer Fulltext 1988-2009/Dec W2  
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[File 696] DIALOG Telecom. Newsletters 1995-2009/Jan 05  
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[File 674] Computer News Fulltext 1989-2006/Sep W1  
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*\*File 674: File 674 is closed (no longer updates).*

[File 324] GERMAN PATENTS FULLTEXT 1967-200850  
(c) 2008 UNIVENTIO/THOMSON. All rights reserved.

[File 344] Chinese Patents Abs Jan 1985-2006/Jan  
(c) 2006 European Patent Office. All rights reserved.

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[File 371] French Patents 1961-2002/BOPI 200209  
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109 AU=SRIKRISHNA DEVABHAKTUNI

57 AU=SRIKRISHNA, DEVABHAKTUNI

109 AU=SRIKRISHNA D?

58 AU=SRIKRISHNA, D?

S1 111 S AU=(SRIKRISHNA DEVABHAKTUNI OR  
SRIKRISHNA, DEVABHAKTUNI OR SRIKRISHNA D? OR SRIKRISHNA,  
D?)

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A? OR CHARI, A?)
>>>W: One or more prefixes are unsupported
      or undefined in one or more files.
          52 AU=CHARI, AMALAVOYAL
          96 AU=CHARI AMALAVOYAL
         153 AU=CHARI A?
          95 AU=CHARI, A?
S2         168 AU=( CHARI, AMALAVOYAL OR CHARI
AMALAVOYAL OR CHARI A? OR CHARI, A?)

? s s1 and s2
          111 S1
          168 S2
S3         71 S S1 AND S2

? s s3 and broadcast?
Processing
          71 S3
         6631947 BROADCAST?
S4         22 S S3 AND BROADCAST?

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Processing
Processing
Processing
Processing
Processing
          22 S4
         64979226 PY>2004
S5         4 S S4 NOT PY>2004

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6/3,K/1 (Item 1 from file: 340) [Links](#)

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CLAIMS(R)/US Patent

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10636451

E/METHOD AND SYSTEM TO PROVIDE A ROUTING PROTOCOL FOR WIRELESS  
DEVICES

Inventors:Chari Amalavoyal Narashima (US); Srikrishna  
Devabhaktuni (US)

Assignee: Unassigned Or Assigned To Individual

Assignee Code: 68000

Attorney, Agent or Firm: BLAKELY SOKOLOFF TAYLOR & ZAFMAN, 12400  
WILSHIRE BOULEVARD, SEVENTH FLOOR, LOS ANGELES, CA, 90025, US

Publication	Application		Number	Date
	Number	Kind Date		
	US 20040143678	A1 20040722	US 2004754978	
20040109				
Division of:	US 6704301		US 2000751262	20001229
Priority Applic:			US 2004754978	20040109
			US 2000751262	20001229

Document Type:

Inventors:Chari Amalavoyal Narashima...

...Srikrishna Devabhaktuni

Abstract: A method and apparatus for generating connectivity is described.

The method includes a server broadcasting a beacon including the server's address. The method further includes each client that receives...

Exemplary Claim:

D R A W I N G

1. A method of wireless connectivity comprising: broadcasting a



beacon by a server; and receiving and storing the beacon at the client,  
the...

Non-exemplary Claims:

...3. The method of claim 1, wherein the beacon broadcast by the server includes a hop-count set to zero, the method further comprising:  
each...

...4. The method of claim 1, wherein the beacon broadcast by the server includes server address, such that each client receiving the beacon knows the...

...19. A server for wireless communications comprising: a beacon logic to generate a beacon and broadcast the beacon; and a wireless transceiver to receive a plurality of reverse beacons, the reverse...

...receiving a beacon from the server; rebroadcasting one beacon received from an upstream node; and broadcasting a reverse beacon upstream, the reverse beacon being addressed to the known upstream node,  
the...

...23. The method of claim 21, further comprising the server broadcasting a dummy reverse beacon to initiate the reverse beacon cycle...

...25. The method of claim 21, wherein receiving a reverse beacon broadcast by a client's default gateway triggers the client to start a timer to send...

6/3,K/2 (Item 2 from file: 340) [Links](#)

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CLAIMS(R)/US Patent

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04032470

E/(A1) METHOD AND APPARATUS TO PROVIDE A ROUTING PROTOCOL FOR  
WIRELESS DEVICES

(B2) METHOD AND APPARATUS TO PROVIDE A ROUTING PROTOCOL FOR WIRELESS  
DEVICES

Inventors:Chari Amalavoyal Narasimha (US); Srikrishna  
Devabhaktuni (US)

Assignee: (A1) Unassigned Or Assigned To Individual  
(B2) Tropos Networks Inc

Assignee Code: (A1) 68000

Probable Assignee (A1): Tropos Networks Inc

Attorney, Agent or Firm: Blakely, Sokoloff, Taylor & Zafman LLP

Publication

	Application				
	Number	Kind	Date	Number	Date
	US 20020107023	A1	20020808	US 2000751262	
20001229	US 6704301	B2	20040309	US 2000751262	20001229

(Cited in 001 later patents)

Prior Publication: US 20020107023 A1 20020808

Priority Applic: US 2000751262 20001229

Calculated Expiration: 20201229

Notes: Subject to any Disclaimer, the term of this patent is extended  
or

adjusted under 35 USC 154(b) by 460 days.

Document Type:

Inventors:Chari Amalavoyal Narasimha...

...Srikrishna Devabhaktuni

Abstract: ...A method and apparatus for generating connectivity is  
described. The method includes a server broadcasting a beacon  
including the server's address. The method further includes each  
client  
that receives...

...A method and apparatus for generating connectivity is described.  
The  
method includes a server broadcasting a beacon including the  
server's address. The method further includes each client that  
receives...

Exemplary Claim:

...DRAWING

1. A method of wireless connectivity comprising: broadcasting a beacon by a server; and receiving and storing the beacon at the client, the...

...DRAWING

1. A method of wireless connectivity comprising: broadcasting a beacon by a server; receiving and storing every beacon received by a client, the...

Non-exemplary Claims:

...3. The method of claim 1, wherein the beacon broadcast by the server includes a hop-count set to zero, the method further comprising: each...

...4. The method of claim 1, wherein the beacon broadcast by the server includes server address, such that each client receiving the beacon knows the...

...19. A server for wireless communications comprising: a beacon logic to generate a beacon and broadcast the beacon; and a wireless transceiver to receive a plurality of reverse beacons, the reverse...

...receiving a beacon from the server; rebroadcasting one beacon received from an upstream node; and broadcasting a reverse beacon upstream, the reverse beacon being addressed to the known upstream node, the...

...23. The method of claim 21, further comprising the server broadcasting a dummy reverse beacon to initiate the reverse beacon cycle...

...25. The method of claim 21, wherein receiving a reverse beacon broadcast by a client's default gateway triggers the client to start a timer to send...

...2. The method of claim 1, wherein the beacon broadcast by the server includes a hop-count set to zero, the method further comprising:

each...

...3. The method of claim 1, wherein the beacon broadcast by the server includes server address, such that each client receiving the beacon knows the...

...10. A method of wireless connectivity comprising: broadcasting a beacon by a server, the beacon including a sequence number representing a current routing...

...12. A method of wireless connectivity comprising: broadcasting a beacon by a server, the beacon including a sequence number representing a current routing...

...17. A method of wireless connectivity comprising: broadcasting a beacon by a server; and receiving and storing the beacon at the client, the...

...18. A method of wireless connectivity comprising: broadcasting a beacon by a server; and receiving and storing the beacon at the client, the...

...receiving a beacon from the server; rebroadcasting one beacon received from an upstream node; and broadcasting a reverse beacon upstream, the reverse beacon being addressed to the known upstream node, the...

...server and each client to set up a routing table; wherein receiving a reverse beacon broadcast by a client's default gateway triggers the client to start a timer to send...

...receiving a beacon from the server; rebroadcasting one beacon received from an upstream node; and broadcasting a reverse beacon upstream, the reverse beacon being addressed to the known upstream node, the...

...receiving a beacon from the server; rebroadcasting one beacon received from an upstream node; and broadcasting a reverse beacon upstream, the reverse beacon being addressed to the known upstream node, the...



6/3K/3 (Item 1 from file: 349) [Links](#)

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PCT FULLTEXT

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00944183

METHOD AND SYSTEM TO PROVIDE INCREASED DATA THROUGHPUT IN A  
WIRELESS MULTI-HOP NETWORK

PROCEDE ET SYSTEME PERMETTANT D'AUGMENTER LE DEBIT DE DONNEES DANS  
UN RESEAU SANS FIL A PLUSIEURS BONDS

Patent Applicant/Patent Assignee:

- FHP WIRELESS INC  
1730 South Amphlett Boulevard, Suite 114, San Mateo, CA 94402; US; US(Residence);  
US(Nationality); (For all designated states except: US)

Patent Applicant/Inventor:

- SRIKRISHNA Devabhaktuni  
63 Bovet Road #418, San Mateo, CA 94402; US; US(Residence); IN(Nationality);  
(Designated only for: US)
- CHARI Amalavoyal  
1730 S. Amphlett Boulevard, Suite 114, San Mateo, CA 94402; US; US(Residence);  
IN(Nationality); (Designated only for: US)
- BEHROOZI Cyrus  
530 Webster Street #7, Palo Alto, CA 94301; US; US(Residence); US(Nationality); (Designated  
only for: US)
- SRIKRISHNA Devabhaktuni... ....Designated only for: US)
- CHARI Amalavoyal...

Legal Representative:

- MALLIE Michael J(et al)(agent)  
Blakely, Sokoloff, Taylor & Zafman LLP 12400 Wilshire Boulevard, 7th Floor, Los Angeles,  
CA 90025; US;

	Country	Number	Kind	Date
Patent	WO	200278369	A1	20021003
Application	WO	2001US50272		20011219
Priorities	US	2001818423		20010326

Designated States: (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,  
BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,  
DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,

GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,  
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NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE,  
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UA, UG, US, UZ, VN, YU, ZA, ZM, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language: English

Filing Language: English

Fulltext word count: 8688

Detailed Description:

...data transmissions. For instance, a cell-phone transmission may be effectively distinguished from a TV broadcast because they occur on different frequency "channels." On the other hand, a data transmission on...at block I I 10, when the Channel Manager on the given node sends a broadcast message on the common channel (the channel used to send routing and other control information...  
...testiny. All nodes that are not one hop downstream from the given node ignore the broadcast.

At block 1 1 15, the given, or originatin a, node, determines all channels that... necessary that the clocks on all the nodes be synchronized. The timing information in the broadcast, for one embodiment, is a relative offset from the current time, which may be different...was received at all, based on the node responses to the original acknowledgement to the broadcast. The Channel Manager uses this data to determine the quality of the downlink on that... channels for the downlink, at block II 50, the Channel Manager of the originating node broadcasts an AssiGnment Packet announcina its choice. Each of the nodes that is one hop downstream... assignments, if more than three channels are beiner used. Thus, for one embodiment, instead of broadcasting, Channel Manager may send a directed message to each node, assigning its channel.

At block...

6/3K/4 (Item 2 from file: 349) [Links](#)

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00921179

METHOD AND SYSTEM TO PROVIDE A ROUTING PROTOCOL FOR WIRELESS DEVICES

PROCEDE ET SYSTEME PERMETTANT D'OBTENIR UN PROTOCOLE DE ROUTAGE DESTINE A DES DISPOSITIFS SANS FIL

Patent Applicant/Patent Assignee:

- FHP WIRELESS INC  
1730 South Amphlett Boulevard, Suite 114, San Mateo, CA 94402; US; US(Residence);  
US(Nationality); (For all designated states except: US)

Patent Applicant/Inventor:

- SRIKRISHNA Devabhaktuni  
63 Bovet Road #418, San Mateo, CA 94402; US; US(Residence); IN(Nationality);  
(Designated only for: US)
- CHARI Amalavoyal  
1730 S. Amphlett Boulevard, Suite 114, San Mateo, CA 94402; US; US(Residence);  
IN(Nationality); (Designated only for: US)
- SRIKRISHNA Devabhaktuni... ....Designated only for: US)
- CHARI Amalavoyal...

Legal Representative:

- MALLIE Michael J(et al)(agent)  
Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles,  
CA 90025; US;

	Country	Number	Kind	Date
Patent	WO	200254646	A2-A3	20020711
Application	WO	2001US48215		20011212
Priorities	US	2000751262		20001229

Designated States: (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,  
BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,  
DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,  
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,  
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,  
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,



NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE,  
SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA,  
UG, US, UZ, VN, YU, ZA, ZM, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
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[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language: English

Filing Language: English

Fulltext word count: 13043

English Abstract:

...method and apparatus for generating connectivity is described. The method includes a server (220A, 220B) broadcasting a beacon including the server's address. The method further includes each client (230A-230G...

Detailed Description:

...protocol.

A method and apparatus for generating connectivity is described. The method includes a server broadcasting a beacon including the server's address. The method further includes each client that receives... ..reverse beacon.

Figure 7B is a flowchart of one embodiment of timing the reverse beacon broadcast.

Figure 8A is a flowchart of one embodiment of using DRS to send client connectivity...coupled to the server 220 through one or more intermediate clients.

When a server 220 broadcasts a beacon, it is received by all first-level clients.

The beacon is used to... ..the fact that they receive data directly from the server. The first level clients re-broadcast the beacon data,, attaching their own data to it.

This indicates to the second level... ..transmitted if its link quality is sufficiently high.

For another embodiment, the depth of re-broadcast is determined for the system.

Thus, for example, a client may rebroadcast a beacon only... ..of routes by the Clients. At periodic

intervals, the Server originates a "Beacon" which is broadcast to all Clients within hearing range of the Server. The time interval between successive broadcasts of the Beacon defines a routing cycle. The Beacon is a routing packet a short... 310 and H 330. For one embodiment, there is a means to ensure that the broadcast transmission is received. This will be discussed in more detail below. All such Clients 310... one embodiment, the delay is a random delay, such that not all Level One Clients broadcast at the same time. For one embodiment,, the TMC data may be omitted. For one... Server, (2) an explicit route to the next upstream client (the Level One Client whose broadcast it received), 3) the full path to the server through the upstream Level One Client and 4) the TMCs of the Server and the Level One Client from whom the broadcast was received. For one embodiment, each Level Two Client now knows (1) that it has... also happen that one of the Level One Clients (say A) 310 may receive the broadcast of one of the other Level One Clients (say H) 330. Client A 310, because...discussed in more detail below.

For another embodiment, each node periodically initiates a reverse beacon broadcast. This period is the KEEPALIVE period. For one embodiment, the timing of the start of...one embodiment, beacons are sent out periodically.

In an alternate implementation, the periodicity of beacon broadcasts might be dynamically determined. For example, the periodicity may be determined based on network stability ...many minutes. For one embodiment, the beacons are sent out every minute. The beacon is broadcast by wireless transceiver 515 to all clients within range of the broadcast.

For one embodiment, the server 510 also receives a reverse beacon from the clients, indicating...For one embodiment, client 550 further includes reverse beacon logic 585.

Reverse beacon logic 585 broadcasts the path upwards to the client. For one embodiment, reverse beacon logic 585 is triggered... a list of all clients whose routes to the server pass through the client that broadcasts the reverse beacon to the server. Thus, the server receives a reverse beacon that contains... delay. For another embodiment, the TMC may not be calculated.

At block 625, the server broadcasts the beacon to all the clients. The beacon includes the server's own address and... whether it has received a beacon. For one embodiment, the client generally watches for all broadcasts, either directed to it, or directed to all clients. In this case, if the client detects the beacon, it continues to block 640. Otherwise, it continues waiting for a broadcast.

At block 640, the client determines whether other beacon(s) have been received in this... the server, and also has passed on its data to all other clients within its broadcast range. At this point, the client can await the next beacon. If the client has...its address. The reverse beacon is directed to the server. For one embodiment, the client broadcasts this data, addressed to its default gateway. Thus, all other nodes receiving the message would... The process starts at block 750. At block 755, client A receives a reverse beacon broadcast (RBB).

At block 760, the process determines whether the RBB is addressed to client A... process then continues to block 784, where the system waits to send its reverse beacon broadcast, now including this link. Note that the process shown in blocks 755, 760, 792, and... is advantageous.

At block 782, client A sets the time for sending the reverse beacon broadcast to KEEPALIVE-A. The value of A indicates the changing time until the reverse beacon is sent. Client A will not originate a reverse beacon broadcast until the timer is started by the overheard RBB ...at block 796.

For one embodiment, the Level One client. receives a dummy reverse beacon broadcast from the server, to initialize its clock. For one embodiment, the KEEPALIVE period for each... varied by a small jitter factor,. to prevent all clients at the same level from broadcasting at the same time. In this way, the reverse beacon is propagated up through the clients, and each client only sends a single reverse beacon broadcast in a single cycle. The length of the cycle may be set arbitrarily. For one...are other branches, and only the server has a path to all of the branches.

Broadcast range 920 is illustrated for client C17. As can be seen, the broadcasts of client C17 are received by many clients, including some clients that are on other... However, the clients who are on other branches, i.e. C23 and C14, ignore the broadcast from C17, since they already have a shorter path to the server. The three clients that have C17 as their default gateway are all reached by the broadcast.

Routing tables 930, 940 further illustrate the reduction in communication resulting from dividing the system... more beacons rebroadcast one modified beacon, with the data of the client attached. Although the broadcasts are shown as individual arrows to the clients, the broadcasts are general, to all clients within reach.

Note that certain clients, for example, client 1 ...

Claims:

1 A method of wireless connectivity comprising:  
broadcasting a beacon by a server; and receiving and storing the beacon at the client,  
the... the beacon representing the optimal path.

3 The method of claim 1, wherein the beacon broadcast by the server  
includes a hop-count set to zero, the method further comprising: each... number of  
hops in this path.

4 The method of claim 1, wherein the beacon broadcast by the server  
includes server address, such that each client receiving the beacon knows the... 19 A  
server for wireless communications comprising: a beacon logic to generate a beacon  
and broadcast the beacon; and a wireless transceiver to receive a plurality of reverse  
beacons, the reverse... receiving a beacon from the server; rebroadcasting one  
beacon received from an upstream node; and broadcasting a reverse beacon  
upstream, the reverse beacon being addressed to the known upstream node, the...  
...downstream from the particular client.

23 The method of claim 21, further comprising the server broadcasting a  
dummy reverse beacon to initiate the reverse beacon cycle.

24 The method of claim... beacon including the aggregated information. . The method  
of claim 21, wherein receiving a reverse beacon broadcast by a client's default gateway  
triggers the client to start a timer to send...